

APPROVED	U.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

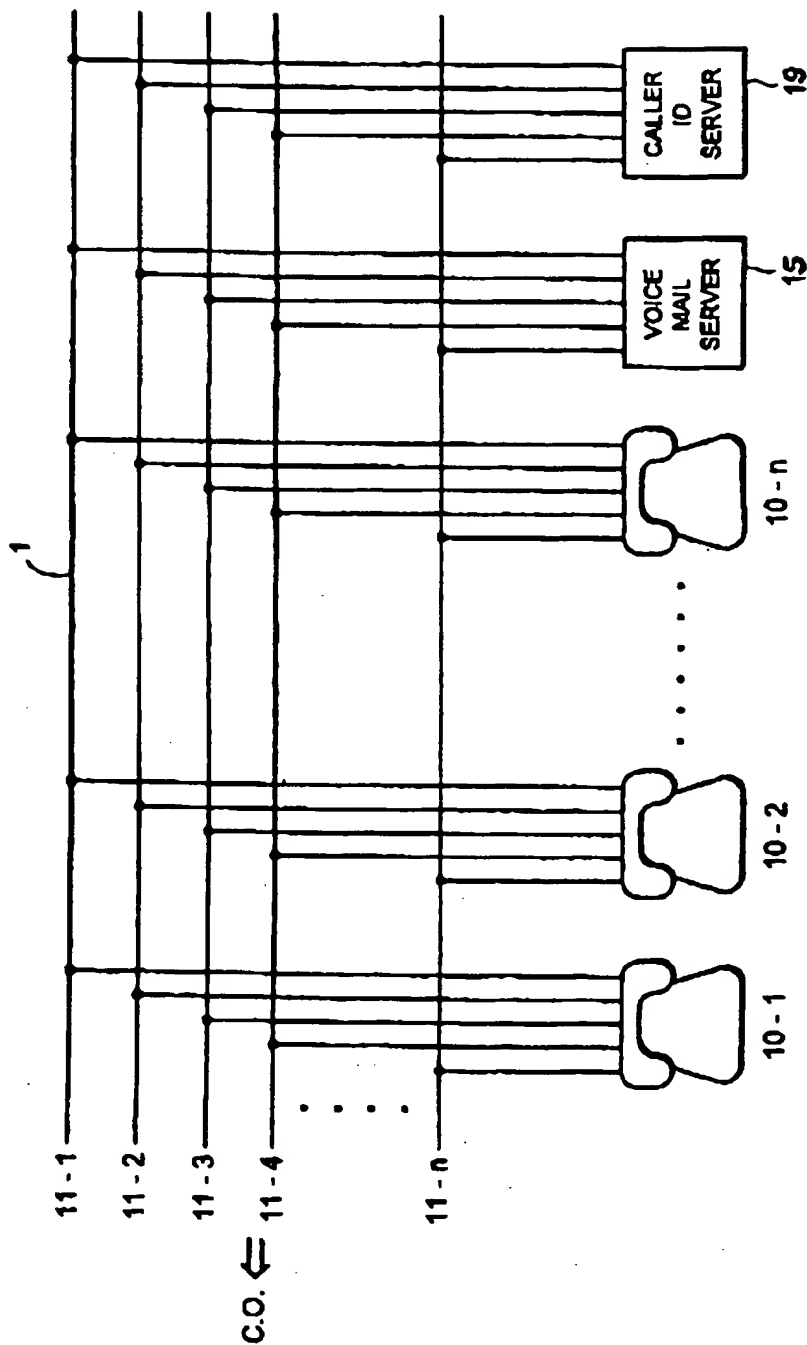
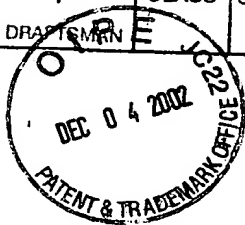


FIG. 1

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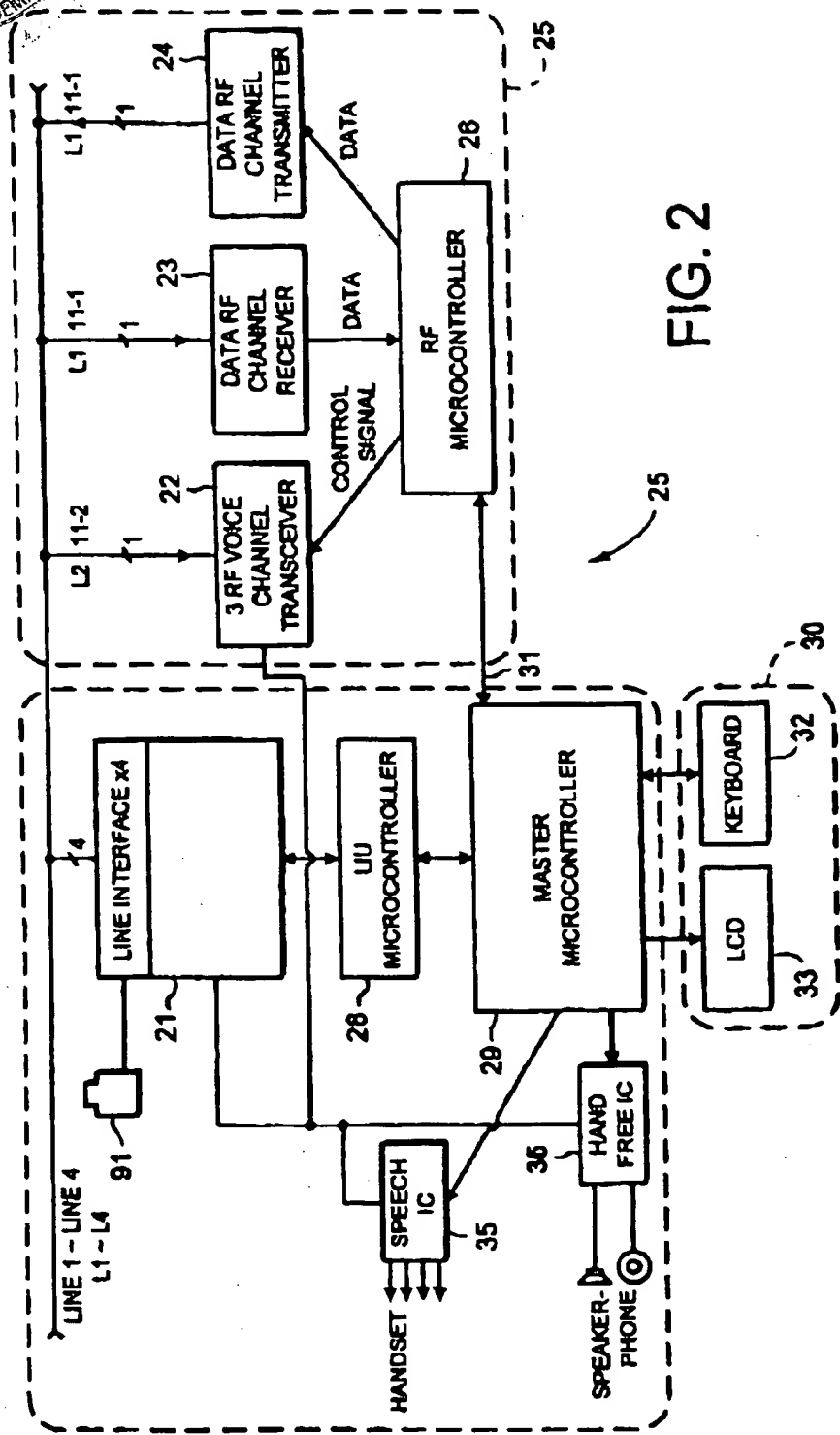


FIG. 2

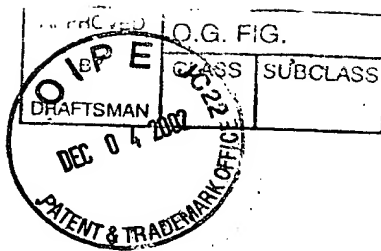


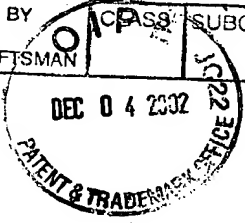
FIG. 3C

CHANNEL TYPE		FREQUENCY	MAX. POWER (135 OHMS)	RESIDUAL FM	DISTORTION	SPURIOUS	MAX. DEVIATION
AUDIO (PAGE)	TRANSMIT	390 KHz	-10 dBm	< 200 Hz	3% AT 1 KHz	-50 dB	$\pm 1 - 5$ KHz
AUDIO (INTERCOM)	ORIGINATE	420 KHz	-10 dBm	< 200 Hz	3% AT 1 KHz	-50 dB	$\pm 1 - 5$ KHz
AUDIO (INTERCOM)	ANSWER	390 KHz	-10 dBm	< 200 Hz	3% AT 1 KHz	-50 dB	$\pm 1 - 5$ KHz

CHANNEL TYPE		FREQUENCY	12dB SINAD SENSITIVITY (135 OHMS)	3 dB BAND- WIDTH	DISTORTION	20 dB QUIETING SENSE	ADJACENT CHANNEL
AUDIO (PAGE)	RECEIVE	390 KHz	-65 dBm	15 KHz $\pm 1 - 2$ KHz	3% AT 1 KHz	-65 dBm	-50 dB
AUDIO (INTERCOM)	ANSWER	420 KHz	-65 dBm	15 KHz $\pm 1 - 2$ KHz	3% AT 1 KHz	-65 dBm	-50 dB
AUDIO (INTERCOM)	ORIGINATE	390 KHz	-65 dBm	15 KHz $\pm 1 - 2$ KHz	3% AT 1 KHz	-65 dBm	-50 dB

FIG. 3A

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CHANNEL TYPE		FREQUENCY	MAX. POWER (135 OHMS)	RESIDUAL FM	DISTORTION	SPURIOUS	MAX. DEVIATION
DATA	TRANSMIT	319 / 331 KHz	-10 dB	N/A	N/A	-50 dB	+/- 5 KHz
CHANNEL TYPE		FREQUENCY	12 dB SINAD SENSITIVITY (135 OHMS)	3 dB BAND-WIDTH	DISTORTION	20 dB QUIETING SENSE	ADJACENT CHANNEL
DATA	RECEIVE	319 / 331 KHz	N/A	15 KHz +/- 2 KHz	N/A	N/A	-50 dB

FIG. 3B

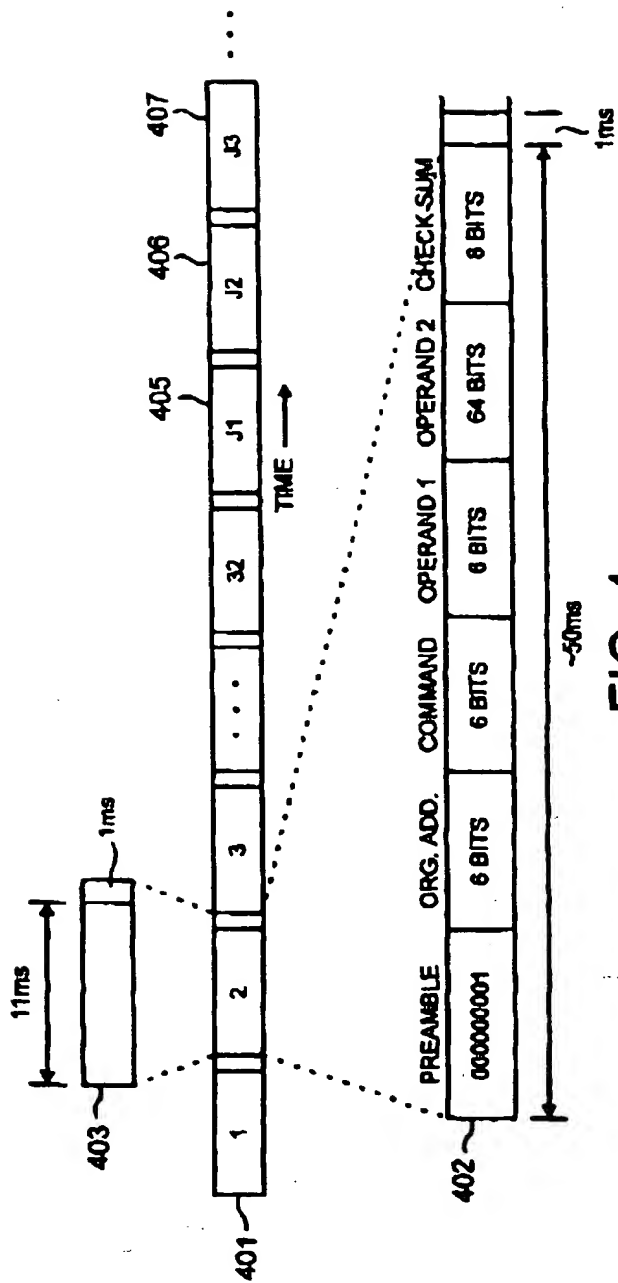
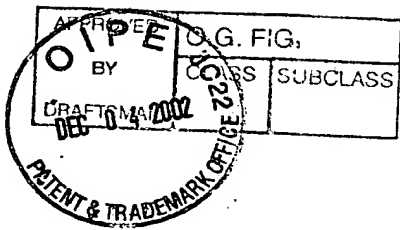


FIG. 4

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WHERE
 0 OR 1 — DONT CARE IN RECEIVING SIDE
 N — FROM 0 TO 31, L₈, 32 USERS MAXIMUM
 31-39 ARE DEDICATED FOR NEW USER TO JOIN IN, SAY JOIN IN SLOTS
 L₈, L₆, L₄, L₃, L₂, L₁ — 0, LINE ACTIVE; 1, LINE INACTIVE
 EXT # — 4 DECIMAL DIGITS (CONFIGURATION 4th, 3rd, 2nd, 1st DIGITS TO FORM AN EXT #)
 IF EXT # IS INAPPLICABLE, SET Q, C, G FOR AN EMPTY EXTENSION
 L₈ & L₆ RESERVED

JOIN IN SLOT - 31 TO 39
 JOIN IN ID - 0 TO 30

MESSAGE WAITING ON/OFF (EXTENSION)
 TRANSFER ON
 - SUPPORT ONE LINE AT ONE COMMAND

	ORIG ADDR 8 BITS	COMMAND 8 BITS	OPERAND 1 8 BITS	OPERAND 2 64 BITS	CHECK SUM 8 BITS
BROADCAST					
LINE ON HOLD	0	LINE ON HOLD	L ₈ , L ₆ , L ₄ , L ₃ , L ₂ L ₁	4 EXT # - L ₈ , L ₅ L ₄ , L ₃ (4 DIGITS EACH)	
LINE IN USE	n	LINE IN USE	L ₈ , L ₆ , L ₄ , L ₃ , L ₂ L ₁	4 EXT # - L ₈ , L ₅ L ₄ , L ₃ (4 DIGITS EACH)	
LINE SECURE	n	LINE SEC	L ₈ , L ₆ , L ₄ , L ₃ , L ₂ L ₁	4 EXT # - L ₈ , L ₅ L ₄ , L ₃ (4 DIGITS EACH)	
LINE SECURE RELEASE	n	LINE SEC REL	L ₈ , L ₆ , L ₄ , L ₃ , L ₂ L ₁	4 EXT # - L ₈ , L ₅ L ₄ , L ₃ (4 DIGITS EACH)	
MESSAGE WAITING ON (EXTENSION)	n	M WAIT ON (EXTENSION)	0	EXT # (4 DIGITS) 00000000 L ₁ , 0	
MESSAGE WAITING OFF (EXTENSION)	n	M WAIT OFF (EXTENSION)	0	EXT # (4 DIGITS) 00000000 L ₁ , 0	
JOIN	JOIN IN SLOT	JOIN	JOIN IN ID	Q, Q, Q, 0	
CALLER ID	n	CALLER ID	CALLER ID PACKET #	INFORMATION	
PASS THROUGH	n	PASS THRU	PASS THRU OPERAND 1	PASS THRU OPERAND 2	

FIG. 5

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PARTNERSHIP					
TRANSFER ON	n	TFR ON	DEST. ADR	EXT # (4 DIGITS) 000000L2 L1, MAIL ID, 0	
TRANSFER OFF	n	TFR OFF	L8, L5, L4, L3, L2, L1	4 EXT # - L8, L5 L4, L3 (4 DIGITS EACH)	
INTERCOM ON	n	ICM ON	DEST. ADR	ICM PICK UP INDICATION 0, 0, 0	
INTERCOM OFF	n	ICM OFF	DEST. ADR	0, 0, 0, 0	
ACKNOWLEDGE	n	ACK	DEST. ADR	0, 0, 0, 0	
ACCESS DENY	n	DENY	DEST. ADR	000000 NO EXT # BUSY, 0, 0, 0	
DND (DESTINATION)	n	DND (DESTINATION)	DEST. ADR	000000 OVERRIDE	
MESSAGE WAITING OFF (DESTINATION)	n	M WAIT OFF (DESTINATION)	DEST. ADR	0, 0, 0, 0	
RAM ACCESS REQUEST	n	RAM ACCESS REQUEST	DEST. ADR	RAM REQUEST, ADDR., DATA	
RAM ACCESS RESPONSE	n	RAM ACCESS RESPONSE	DEST. ADR	RAM RESPONSE, ADDR., DATA	

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FIG. 5CONT'D

APPROVED	O.G. FIG.	
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507	EXTENDED COMMAND								
	REJECT	n	EXT. COM	REJECT	0, 0, 0, 0				
	NO ACTION CHANGE	n	EXT. COM	NO CHANGE	0, 0, 0, 0				
	PAGE ON	n	EXT. COM	PAGE ON	GROUP 0				
508	PAGE OFF	n	EXT. COM	PAGE OFF	0, 0, 0, 0				
	INTERCOM IN USE	n	EXT. COM	ICM IN USE	ICM CALLED ID, ICM IN TALKING INDICATION, 0, 0, 0				
510	MUSIC AVAILABLE	n	EXT. COM	MUSIC AVAILABLE	0, 0, 0, 0				
	MUSIC UNAVAILABLE	n	EXT. COM	MUSIC UNAVAILABLE	0, 0, 0, 0				
	SUPERVISORY CALL	n	EXT. COM	SUPERVISORY CALL	0, 0, 0, 0				
	SUPERVISORY CALL CONFIRMATION	n	EXT. COM	SUPERVISORY CALL CONFIRMATION	0, 0, 0, 0				
	SUPERVISORY CALL END	n	EXT. COM	SUPERVISORY CALL END	0, 0, 0, 0				

FIG. 5CONT'D

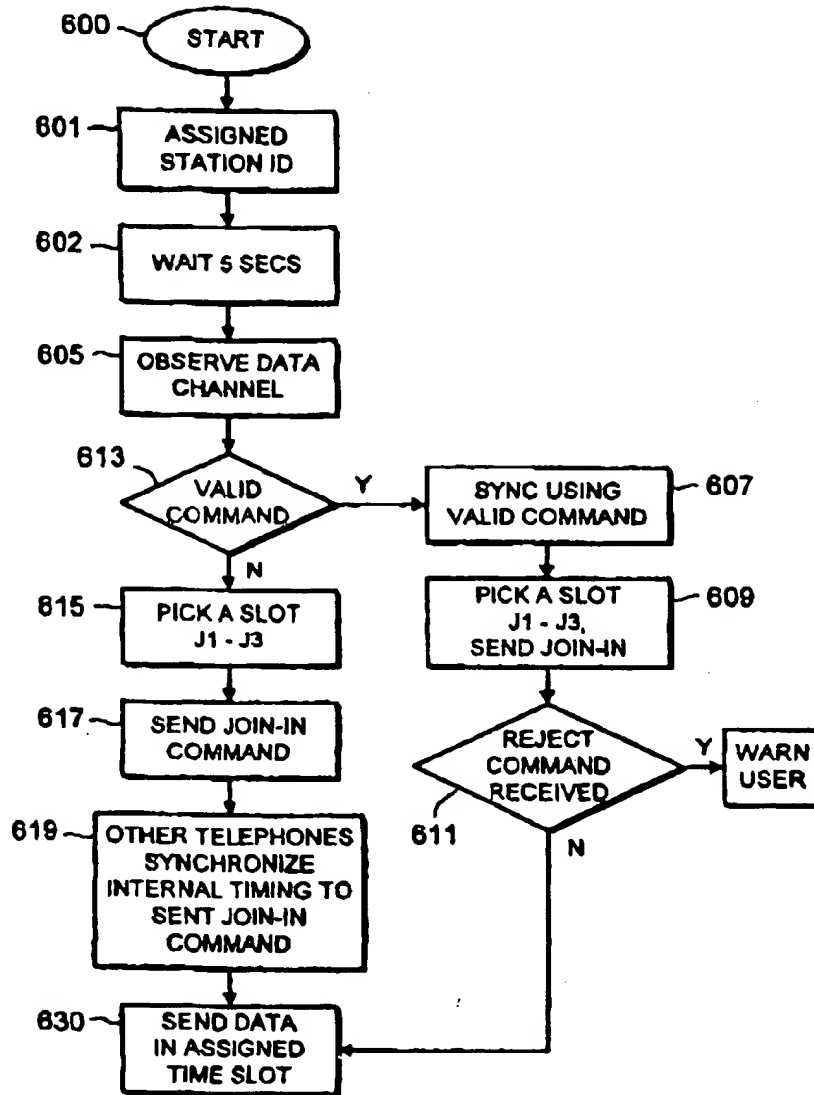


FIG. 6

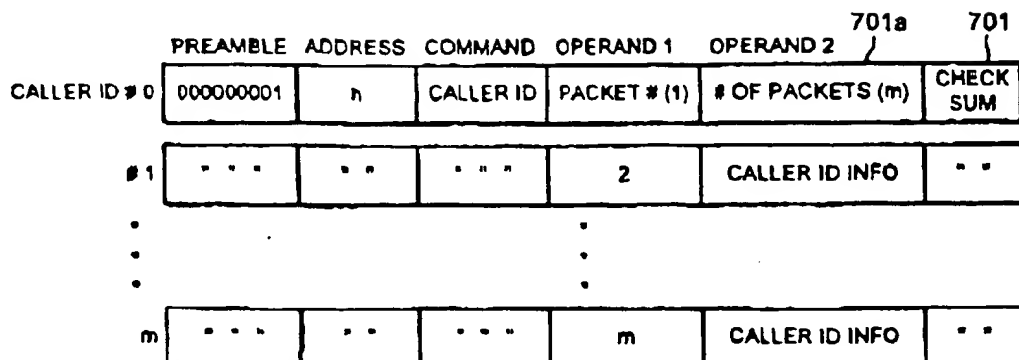
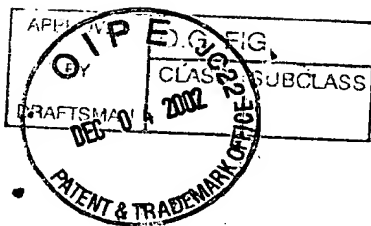


FIG. 7

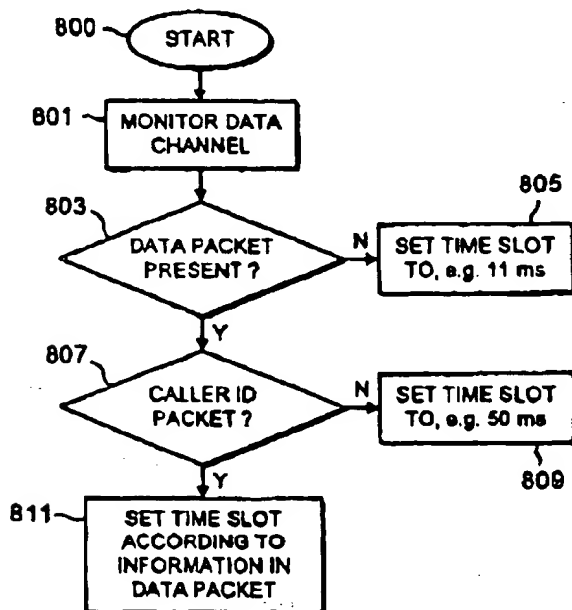


FIG. 8

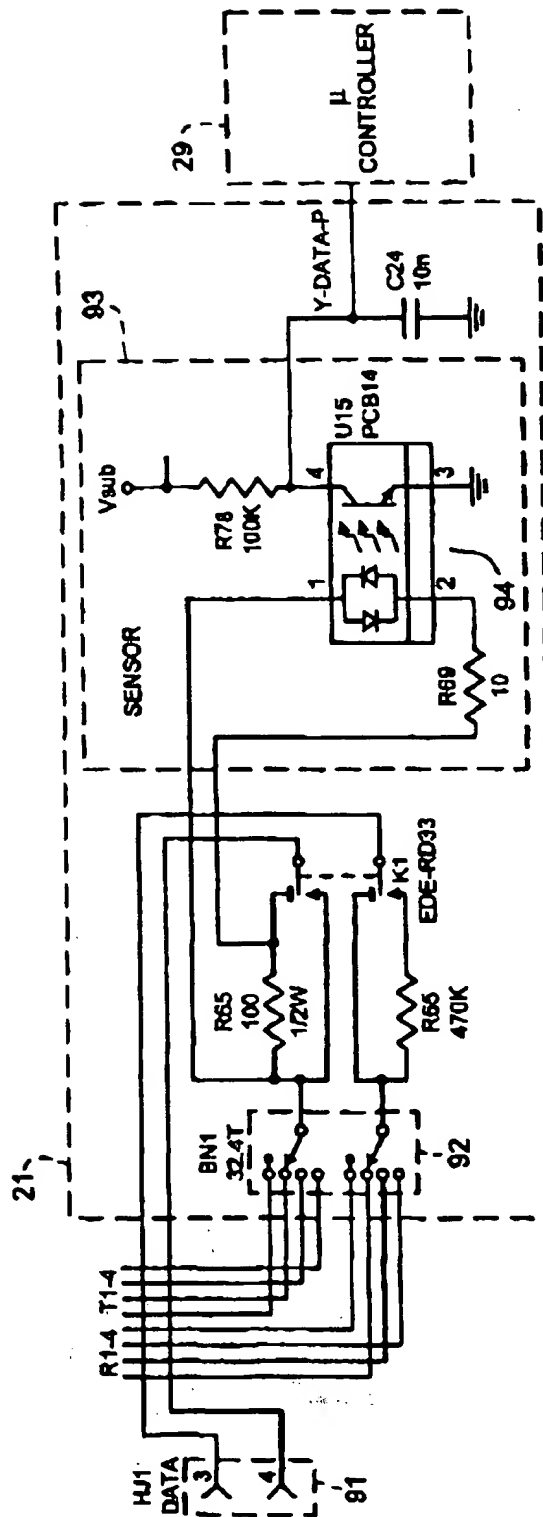
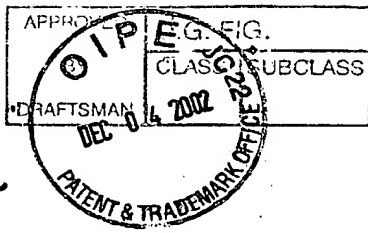


FIG. 9

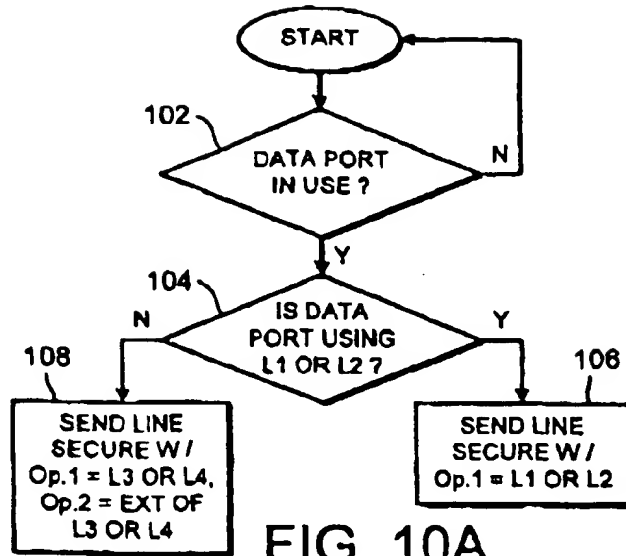
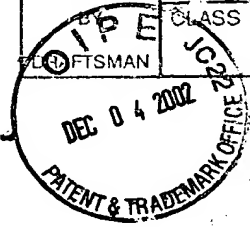


FIG. 10A

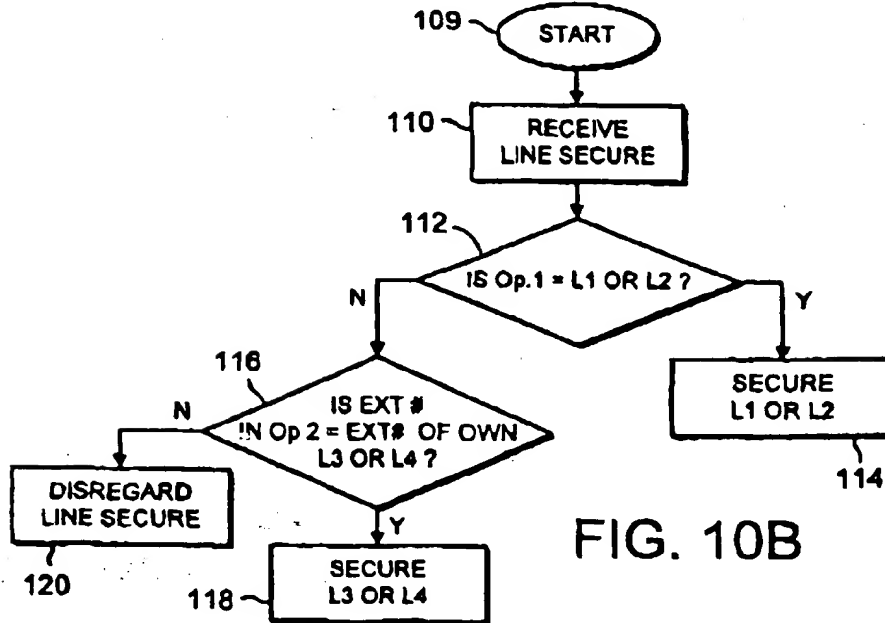


FIG. 10B

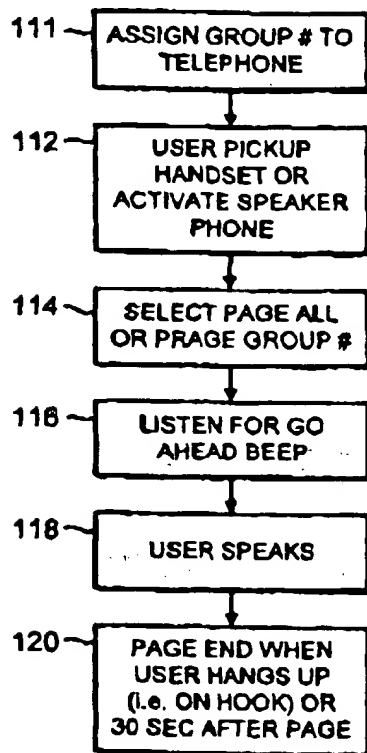
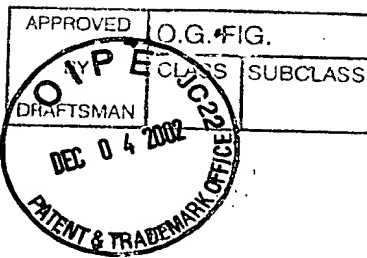


FIG. 11A

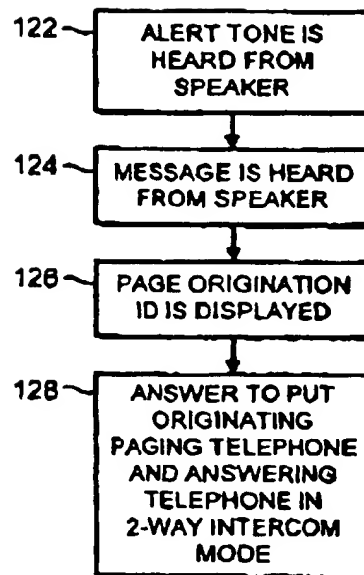


FIG. 11B